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EDUCATION

The German University in Cairo

Bachelor of Computer Science and Engineering

Cairo, Egypt

September 2019 - June 2024

- Bachelor Thesis & Project Grade: A+
- Cumulative GPA 1.01, Excellent (German Scale, 0.7 Best - 5.0 Worst)

EXPERIENCE

Tech Lead and Software Engineer

Evlv - Transcend

October 2023 - April 2024

Cairo, Egypt

- Leading a team of five developers in the development and maintenance of a job listings and job finding platform.
- Designed the infrastructure for the platform, managed cloud provisioning, and handled deployment using Docker, bash scripting, and GitHub Actions.

Software Engineering Intern

Incorta

July 2023 – September 2023

Cairo, Egypt

- Worked on a tool for managing medical insurance for employee across Egypt and USA. Utilized **React, NestJs & Postgres**
- Joined a research on the latest **LLMs** (large language models) fine-tuning like **GPT-3.5 Turbo**.

Frontend Developer - Intern

Blindside GmbH

October 2022 – November 2022

Berlin, Germany (Remote)

- Worked on enhancing the web application streaming module. Utilized **ReactJs & AWS**

Machine Learning and Software Engineering - Intern

Benya Systems

July 2022 - September 2022

Cairo, Egypt

- Lead a team of 8 developers and participated in building a full system for the employees in Benya Group that consists of a Mobile App and an Administration Dashboard using **NestJs, NextJs, Flutter & Prolog**
- Participated in developing a hand-gesture-controlled mini robot that incorporates object detection and avoidance, and lane detection, using **Python, Tensorflow, YOLOv5, OpenCV & RaspberryPi**

Software Engineering - Part time

Talaat Mostafa Group

February 2022 - June 2022

Cairo, Egypt

- Worked on developing a smart services platform using **NextJs, NodeJs, and Flutter**.

Full Stack Developer - Intern

Brightskies Technology

August 2021 - January 2022

Cairo, Egypt

- Developed frontend and backend for a semi-automatic data annotation tool used in labeling images and 3D objects for self-driving car models. Used **ReactJs, NodeJs, MongoDB, and Python**.

PROJECTS

Enhancing Order Fulfillment Efficiency by Predicting Order Preparation Time

for **Online Delivery Applications** | Bachelor Thesis & Project

February 2023 – June 2023

- Proposed an unsupervised learning method using **K-means** clustering to estimate the order preparation for historical orders based on given features.
- Developed three different supervised learning models (**TCNN, LSTM, and XGBoost**) to predict the order preparation time.
- Achieved an overall grade of A+ in my thesis and project

TECHNICAL SKILLS

Programming Languages:	Python, C#, Java, Typescript, Prolog, Arduino C
Developer Tools:	Docker, Git, Github Actions, Bash
Databases:	PostgreSQL, MongoDB, Firebase, MS SQL Server
Machine Learning:	Tensorflow, Scikit-learn, OpenCV, Pandas, Numpy
Languages:	Arabic (Native), English (Fluent), German (Basic)